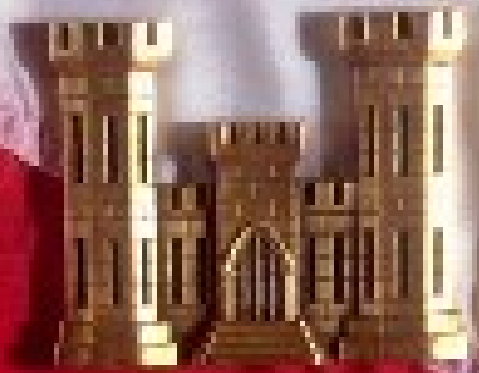
# THE CONTINUING AUTHORITIES PROGRAM

## Ecosystem Restoration & Flood Damage Reduction Services



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# Ecosystem Protection & Restoration

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# Environmental Authorities & Programs

- Continuing Authorities Program
- Environmental Management Program
- Ecosystem Restoration Program from the Navigation Study
- Illinois River Restoration Activities

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# Continuing Authorities Program for Ecosystem Restoration

- **Section 1135 – project modifications for improvements to the environment**

- **Section 204 – beneficial use of dredge materials**

- **Section 206 – aquatic ecosystem restoration**

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# Reconnaissance Phase

1. Define problems & opportunities & potential solutions

2. Assess federal interest, costs, benefits, & environmental impacts

3. Estimate the cost of the feasibility phase

4. Assess the support of the local interests for feasibility & implementation of a project

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# Feasibility Phase

- **Optimizes the plan or plans to be built & can take from 18 months to 3 years to complete**
- **50-50 cost share**
- **Non-federal share -- cash & in-kind products or services**

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# Project Implementation & Local Cooperation

**Sponsor must:**

1. **Provide all lands, easements, rights-of-way, relocations & disposal areas necessary for the construction & subsequent maintenance of the project**
2. **Hold & save the United States free from damages due to the construction and subsequent maintenance of the project, except damages due to the fault or negligence of the United States or its contractors**
3. **Maintain & operate the project after completion without cost to the United States**
4. **Prevent future encroachment, which**

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# Project Implementation & Local Cooperation

*(Continued)*

**Sponsor must:**

5. **Assume responsibility for all costs in excess of applicable federal cost limitations**
6. **Provide guidance and leadership in preventing unwise future development of the flood plain by use of appropriate flood plain management techniques to reduce flood losses**
7. **Provide a minimum cash contribution of 5% of the project cost**
8. **If the value of the sponsor's contribution above does not equal or exceed 35% of the project cost, provide cash contribution to make the sponsor's total contribution equal to 35%**

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# Section 1135 (Project Modifications for Improvement of Environment)

- Initial study is 100% federally funded up to $10,000
- Federal limit $5M
- "Work-in-kind"
- 75/25 cost share

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# Section 1135

## Mill Creek/Milan Bottoms, Rock Island, Illinois

***Before***

***After***

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# Section 204 (Beneficial Use of Dredge Materials)

- Cost shared 75/25 non-federal for costs over the base plan
- No work-in-kind
- Federal limit $5M

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# Section 204

# Blackhawk Bottoms, Pool 19, Iowa

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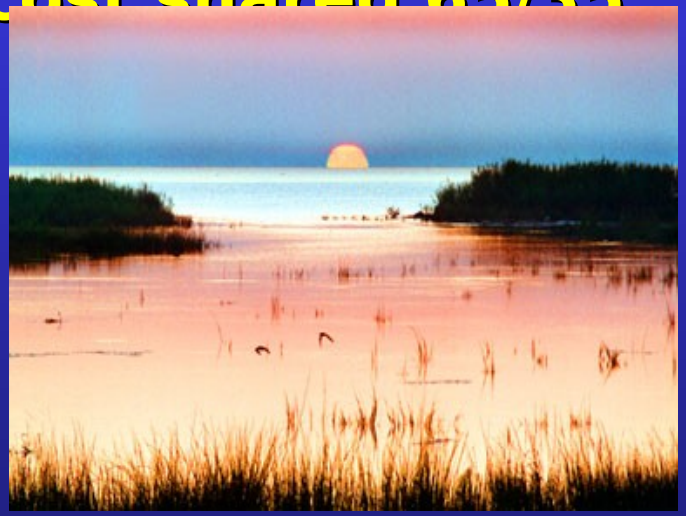
# Section 206 (Aquatic Ecosystem Restoration)

- Preliminary plan is 100% federal up to $10,000
- Remainder cost shared 65/35



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# Section 206

## Duck Creek/Fairmount Park (Wetland Restoration), Davenport, Iowa

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# Continuing Authorities Program for Flood Damage Reduction

- **Section 205 – small projects**

- **Section 14 – emergency streambank & shoreline protection**
- **Section 208 – clearing & snagging of waterways**

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# Reconnaissance Phase

1. Define problems & opportunities & potential solutions

2. Assess federal interest, costs, benefits, & environmental impacts of the identified alternatives

3. Estimate the cost of the feasibility phase

4. Assess the support of the local interests for feasibility & implementation of a project

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# Feasibility Phase

- Optimizes the plan or plans to be built & can take from 18 months to 3 years to complete
- 50-50 cost share
- Non-federal share -- cash & in-kind products or services

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# Project Implementation & Local Cooperation

**Sponsor must:**

1. **Provide all lands, easements, rights-of-way, relocations & disposal areas necessary for the construction & subsequent maintenance of the project**
2. **Hold & save the United States free from damages due to the construction and subsequent maintenance of the project, except damages due to the fault or negligence of the United States or its contractors**
3. **Maintain & operate the project after completion without cost to the United States**
4. **Prevent future encroachment, which**

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# Project Implementation & Local Cooperation

*(Continued)*

**Sponsor must:**

5. **Assume responsibility for all costs in excess of applicable federal cost limitations**
6. **Provide guidance and leadership in preventing unwise future development of the flood plain by use of appropriate flood plain management techniques to reduce flood losses**
7. **Provide a minimum cash contribution of 5% of the project cost**
8. **If the value of the sponsor's contribution above does not equal or exceed 35% of the project cost, provide cash contribution to make the sponsor's total contribution equal to 35%**

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# Section 205 (Flood Damage Reduction)

- Initial study = 100% federal
- Remainder 65/35
- Sponsor must contribute 35% (minimum 5% cash)

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# Section 205

## Raccoon River, Des Moines

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# Section 14
# (Emergency Streambank & Shoreline Protectio

- $40,000 PDA costs federal expense
- 65/35 cost shar
- $1M federal lim

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# Section 14
# Raccoon River – Panora, Iowa

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# Section 208
# Clearing, Snagging & Channel Excavation

- $40,000 PDA federal
- 65/35 cost share
- All costs over $40,000 require a 35% local cost share
- $500,000 federal limit

# Section 208

## Spoon River at Route 20 Bridge,

## Knox County, Illinois

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# Planning Assistance to States

## Typical Studies

Water Supply & Demand
Water Quality
Environmental Conservation
Environmental Restoration
Wetland Evaluation
Dam Safety/Failure
Flood Damage Reduction
Flood Plain Management
Land Use Planning
Master
Brownfields Environmental Assessments

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# Flood Plain Management Services

## Most Common Types of Studies

- Flood Plain Delineation/Flood Hazard Evaluation
- Dam Break Analysis
- Hurricane Evacuation
- Flood Warning/Preparedness
- Regulatory Floodway
- Comprehensive Flood Plain Management
- Urbanization Impact
- Stormwater Management

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# Emergency Readiness & Response

## Examples of Preparedness Assistance

- Emergency seminars & exercises
- Inspection for Public Law 84-99 eligibility
- Technical assistance

## Examples of Response Assistance

- Assist in search & rescue
- Technical advice
- Provide emergency repairs to levees & other flood control projects
- Sandbags, plastic sheeting, lumber, pumps, or rock

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# Emergency Readiness & Response

## Examples of Recovery Assistance

- Technical advice
- Restoration repairs to eligible flood control projects
- clearance of drainage channels, bridge openings, or structures blocked by debris deposited during the event
- Clearance of blockages of critical water supply intakes & sewer outfalls
- Debris removal necessary to reopen vital transportation routes
- Temporary restoration of critical public services or facilities
- Identify hazard mitigation opportunities

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